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Paper sheet draw out appts for automatic teller machine - has second detector, which detects abnormality in drawing out paper sheet, based on welding pressure detected by first detector

Patent Assignee: OMRON KK (OMRO)

Number of Countries: 001 Number of Patents: 002

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|------------|------|----------|-------------|------|----------|----------|
| JP 9040216 | A | 19970210 | JP 95207918 | A | 19950721 | 199716 B |
| JP 3328668 | B2 | 20020930 | JP 95207918 | A | 19950721 | 200271 |

Priority Applications (No Type Date): JP 95207918 A 19950721

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
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| JP 9040216 | A | 16 | B65H-007/02 |
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| JP 3328668 | B2 | 16 | B65H-007/02 | Previous Publ. patent JP 9040216 |
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Abstract (Basic): JP 9040216 A

The appts has a drawer part, which draws out the paper sheet. A first detector detects the welding pressure based on change in power which is associated with the drawer part.

A second detector detects abnormality in drawing out the paper sheet based on the detected welding pressure.

ADVANTAGE - Prevents jamming of paper. Performs stable paper sheet drawing out operation, thereby improving reliability.

Dwg.1/23

Title Terms: PAPER; SHEET; DRAW; APPARATUS; AUTOMATIC; TELLER; MACHINE; SECOND; DETECT; DETECT; ABNORMAL; DRAW; PAPER; SHEET; BASED; WELD; PRESSURE; DETECT; FIRST; DETECT

Derwent Class: Q36; T05

International Patent Class (Main): B65H-007/02

File Segment: EPI; EngPI

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